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11040 U.S. PTO
09/891865
06/25/01

Name (Print)

Signature

2901/OJ410

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Date: June 25, 2001

In Re Application of:

Giuseppina BESTETTI et al.

Serial No: To be assigned
(Continuation of
International Application No. PCT/EP99/10416
Filed: 23 December 1999)

Filed: Concurrently herewith

For: **RECOMBINANT BACTERIAL STRAINS FOR THE PRODUCTION OF
NATURAL NUCLEOSIDES AND MODIFIED ANALOGUES THEREOF**

INFORMATION DISCLOSURE STATEMENT

Hon. Commissioner of Patents and Trademarks
Box PCT
Washington, D.C. 20231
ATTN: DO/EO/US

Sir:

In order to comply with discretionary regulations 37 CFR 1.97 and 1.98,
attached hereto is Form PTO-1449, and copies¹ of the documents listed thereon. These

¹To the extent that a document is listed and no copy of same is attached, then such document is not at the present time available to the undersigned or is available in the file of a parent application. If a listed document is not in the English language and an English translation is readily available, such translation is also attached; if translation is not attached it is not readily available to the undersigned. If a foreign language patent document is

documents contain information which the Examiner may consider to be important in deciding whether to allow the present application to issue as a patent.

Applicant has become aware of fifteen of the references disclosed herewith pursuant to a search report, a copy of which is enclosed, mailed 23 August 2000, which was received in the corresponding international application.

In accordance with MPEP Sections 609 and 707.05(b), it is requested that each document cited (including any cited in applicant's specification which is not repeated on the attached Form PTO-1449) be given thorough consideration and that it be cited of record in the prosecution history of the present application by initialing on Form PTO-1449. Such initialing is requested even if the Examiner does not consider a cited document to be sufficiently pertinent to use in a rejection, or otherwise does not consider it to be prior art for any reason, or even if the Examiner does not believe that the guidelines for citation have been fully complied with. This is requested so that each document becomes listed on the face of the patent issuing on the present application.

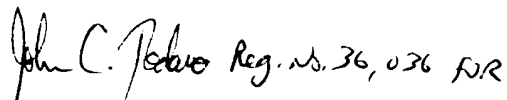
The present Disclosure Statement is being submitted in compliance with 37 CFR 1.56 insofar as an Examiner might consider any of the cited documents important in deciding whether to allow the application to issue as a patent, but the citation of each document is not to be construed as an admission that such document is necessarily relevant or prior art. No representation is intended that the cited documents represent the results of a complete search, and it is anticipated that the Examiner, in the normal course of examination, will make an

cited, and an English language equivalent is known to the undersigned, then such equivalent patent is also cited on the attached form along with the corresponding foreign language patent and a connecting arrow indicated therebetween; if no such English language equivalent is cited, then none is known to the undersigned.

independent search and will determine the best prior art consistent with 37 CFR 1.104(a) and 1.106(b) and, in the course of each search, will review for relevance every document cited on the attached form even if not initialed.

Early and favorable consideration is earnestly solicited.

Respectfully submitted,

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LIST OF REFERENCES CITED BY APPLICANT

(Use Several Sheets if Necessary)

DOCKET NO.: 2901/OJ410

SERIAL NO: TBA (Continuation of
PCT/EP99/10416, filed 23 December
1999

APPLICANT: Giuseppina BESTETTI

FILING DATE:
CONFIRMATION NO:11040 U.S. PTO
09/891865
06/25/01**U.S. PATENT DOCUMENTS**

| <u>*EXAMINER INITIALS</u> | <u>DOCUMENT NUMBER</u> | <u>DATE</u> | <u>NAME</u> | <u>CLASS</u> | <u>SUBCLASS</u> | <u>FILING DATE</u> |
|-------------------------------|----------------------------|-------------|-----------------|--------------|-----------------|--------------------|
| | 1. 5563049 | 10/8/96 | Kojima et al. | 435 | 88 | 3/15/95 |
| | 2. 6197552B1 | 3/6/01 | Yokozeki et al. | 435 | 88 | 11/15/98 |
| | 3. 4835104 | 5/30/89 | Yokozeki et al. | 435 | 87 | 5/9/88 |

FOREIGN PATENT DOCUMENTS

| <u>*EXAMINER INITIALS</u> | <u>DOCUMENT NUMBER</u> | <u>DATE</u> | <u>COUNTRY</u> | <u>CLASS</u> | <u>SUBCLASS</u> | <u>TRANSLATION</u> <u>YES</u> <u>NO</u> |
|-------------------------------|----------------------------|-------------|----------------|--------------|-----------------|--------------------------------------------|
| | 4. 06-253854 | 9/13/94 | Japan | C12N | 15/54 | (Abstract only) |
| | 5. 0038568 | 10/28/81 | Europe | C12P | 19/38 | |
| | 6. 0002192 | 6/13/79 | Europe | C12D | 13/02 | |

OTHER REFERENCES**(INCLUDING AUTHOR, TITLE DATE, PERTINENT PAGES, ETC.)***EXAMINER
INITIALS

7. Hershfield, M.S. et al.; "Use of site-directed mutagenesis to enhance the epitope-shielding effect of covalent modification of proteins with polyethylene glycol"; Proceedings of the National Academy of Sciences of USA, vol. 88, 1991, pps. 7185-7189

8. Brykun, I.A. et al.; "Cloning the Escherichia coli uridine phosphorylase gene udp and its expression in the recombinant plasmids"; Genetika, vol. XXV, no. 10, 1989, pps. 1717-1724

9. Walton, L. et al.; "Nucleotide sequence of the Escherichia coli uridine phosphorylase (udp) gene"; Nucleic Acids Research, vol. 17, no. 16, 1989, pg. 6741

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PCT/EP99/10416, filed 23 December
1999

APPLICANT: Giuseppina BESTETTI

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*EXAMINER
INITIALS

CONFIRMATION NO:

10. Takehara, M. et al.; "Molecular cloning and nucleotide sequence of purine nucleoside phosphorylase and uridine phosphorylase genes from Klebsiella sp.", Bioscience, Biotechnology and Biochemistry, vol. 59, no. 10, 1995, pps. 1987-1990

11. Krenitsky, T.A. et al.; "Purine nucleoside synthesis, an efficient method employing nucleoside phosphorylases", Biochemistry, vol. 20, 1981, pps. 3615-3621

12. Mikhailopulo, I.A. et al.; "1-deaza and 3-deazapurines in the reaction of microbiological transglycosylation", Biotechnology Letters, vol. 14, no. 10, October 1992 (1992-10), pps. 885-890

13. Krenitsky, T.A. et al.; "An enzymic synthesis of purine D-arabinonucleosides", Carbohydrate Research, vol. 97, 1981, pps. 139-146

14. Mikhailopulo, A.I. et al.; "Benzimidazoles in the reaction of enzymatic transglycosylation", Nucleosides & Nucleotides, vol. 14, no. 3-5, 1995, pps. 477-480

15. Mayer, M.P.; "A new set of useful cloning and expression vectors derived from pBlueScript", Gene, NL, Elsevier Biomedical Press Amsterdam, vol. 163, no. 1, 22 September 1995, pps. 41-46

16. Zintchenko, A.I. et al.; "Substrate specificity of uridine and purine nucleoside phosphorylases of the whole cells of Escherichia coli", Nucleic Acids Research Symposium Series, vol. 18, 1987, pps. 137-140

17. Database WPI, Section Ch, Week 9441, Derwent Publications Ltd., London, GB; Class B04, AN 94-328998

18. PCT International Search Report (PCT/ISA/210) 9 pages from PCT/EP 99/10416

19. PCT Partial International Search Results Communication (PCT/ISA/206) 4 pages from PCT/EP/99/0416

EXAMINER: _____

DATE CONSIDERED: _____

***EXAMINER:**

Initial if reference considered, whether or not citation is in conformance with MPEP 609; draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.